# Patio Heater

Model: PH01-S PH01-SS
Item numbers: 61185, 60786, 60788, 60368, 61444

**WARNING**: For outdoor use only.

**FOR YOUR SAFETY**
If you smell gas:
1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, immediately call gas supplier.

**FOR YOUR SAFETY**
Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

**PLEASE retain this manual for reference.**

C ETL US LISTED
Intertek
3177588

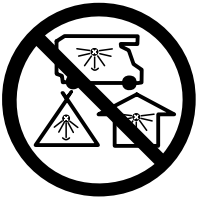
Conforms to ANSI STD Z83.26a-2008
Certified to CSA STD 2.37a-2008

## Instruction Manual & Parts List

**INSTALLER: Please leave this manual for the consumer.**
**CONSUMER: Please retain this manual for future reference.**
**Manufacturer: Changzhou Wellife Furnace Co., Ltd.**

## Tools and parts needed for assembly

**DANGER**



**CARBON MONOXIDE HAZARD**

**This appliance can produce carbon monoxide which has no odor.**

**Using it in an enclosed space can kill you.**

**Never use this appliance in an enclosed space such as a camper, tent, car or home.**

**WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.**

### WARNING :

**For Outdoor Use Only**

LPG Cylinders to be used must be constructed and marked in accordance with US DOT specifications.

Storage of the heater indoors is permissible only if the gas cylinder is turned off and removed.
NOTE:
Use only 20lb LP-Gas tank with size of 18.1in / 46cm(Height)*12.5in / 32cm (Width).
Do not use if the environment temperature is below 40 degrees F / 4.4 degrees C.

### Tools needed:

- Open end wrench 10 & 13mm (included)

**NOT included:**

- Adjustable opening wrench 8" long
- Philips screwdriver w/ medium blade
- Spray bottle of soapy solution for leak testing

## PRECAUTIONS

### NOTE: PLEASE READ THE FOLLOWING SAFETY RULES

**WARNING:**

This heater must only be used outdoors. Using this product in an enclosed area may cause injury, death or property damage.

Only use in a well-ventilated space. Do not use in a building, garage, or any other enclosed area.

Read the instructions before use. This heater must be installed in accordance with local codes or, in the absences of local codes, with the National Fuel Code, ANSI Z223.1. If applicable, the heater, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with The National Electrical Code, ANSI/NFPA70.

Do not use the heater in an explosive atmosphere. Keep the heater away from areas where gasoline or other flammable liquids or vapors are stored.

Prior to use, check for damaged parts such as hoses, regulators, pilot or burner .

Turn off and disconnect LPG cylinder before moving the heater.

Do not attempt to alter this heater in any manner. EXAMPLE: Using the heater without the top canopy reflector or radiant screen.

Do not shorten the burner post assembly.

Do not use this heater in basements or below ground level. It must always be placed on a solid and level surface.

Always ensure there is ample fresh air ventilation. For outdoor use ONLY.

Never replace or substitute the regulator with any regulator other than the factory suggested replacement.

Do not clean the heater with cleaners that are combustible or corrosive.

Do not paint radiant screen, control panel, or top canopy reflector.

All leak tests should be done with a soapy solution. NEVER USE AN OPEN FLAME TO CHECK FOR LEAKS.

The LPG cylinder should be turned off when the heater is not in use.

At least once a year, the unit should be inspected for the presence of spiders, spider webs or other insects.

## PRECAUTIONS

CHECK THE HEATER IMMEDIATELY IF ANY OF THE FOLLOWING EXIST:

1. The smell of gas in conjunction with extreme yellow colored tips of the burner flames.

2. The heater does not reach temperature.

3. The burner makes a popping noise during use (a slight popping noise is normal when the burner is extinguished after using).

Children and adults should be aware of the hazards of high surface temperature, and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the area of the heater.

Clothing or other flammable material should not be hung from the heater, or placed on or near the heater.

Any guard or other protective device removed for servicing the heater must be replaced prior to operating the heater.

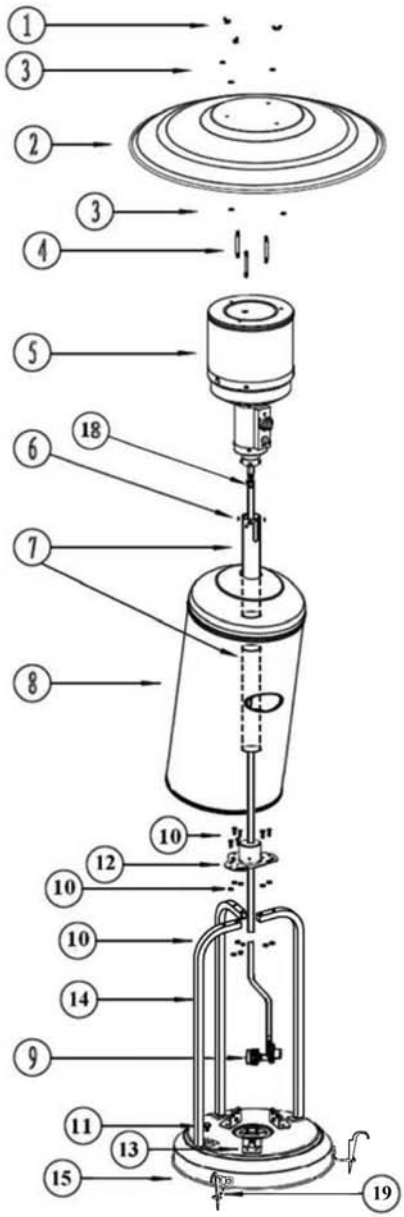
Installation and repair should be done by a qualified service person. The heater should be inspected before use and cleaning may be required at least once a year, or as necessary. It is imperative that the control compartment, burner and circulating passageways of the heater are kept clean.

Keep the heater area clear of combustible materials such as gasoline and other flammable vapors and liquids.

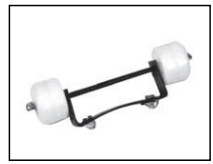
Do not obstruct the flow of combustion and ventilation air.

Keep the ventilation opening of the LPG cylinder enclosure free and clear of debris.
Storage of a heater indoors is permissible only if the LPG cylinder is turned off, disconnected and removed from the heater.
Cylinders must be stored outdoors in a well-ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed, and must not be stored in a building, garage or any other enclosed area.

## ASSEMBLY




1. 3 pcs wing nuts
2. Reflector
3. 6 pcs 8mm washers for pins support
4. 3 pcs 90mm (L) pins for reflector support
5. Head assembly
6. 4 pcs M6x10mm bolts and 4pcs lock washer
7. 2 pcs Post assembly
8. Tank housing
9. Regulator
10. 6 pcs M6x30mm bolts and M6 washers and 6mm nuts for connection of post support and support legs
11. 3 pcs M8x16mm bolts for connection of support legs and base
12. Post support
13. 6pcs M6x12mm bolts/washers/nuts (pre-assembled together) for attaching 3 LPG cylinder fixed parts with M8x25MM bolt to base
14. 3 pcs Support legs
15. Base
16. 1 pc open end wrench (10&13mm)
17. Wheel assembly
18. Gas hose (attached to head assembly)
19. 6pcs M6x12mm bolts and M6 washers and 6mm nuts for connection of 3pcs anchoring arm and base, 3pcs anchoring pins



## ATTACHING WHEEL ASSEMBLY

Step 1

1-1. Locate Wheel Assembly (17) and 2 nuts/bolts contained in plastic bag with Wheel Assembly (Fig. 1).

Fig. 1

Step 2

2-1. Turn Base (15) so that holes for attachment of Wheel Assembly are facing you (Fig. 2).

Fig. 2

2-2. Align holes in Wheel Assembly (17) with holes on Base (15) (Fig. 3).Insert bolts through both sets of holes and secure nuts on end of bolt (Fig. 4).

Fig. 3

Fig. 4

Step 3

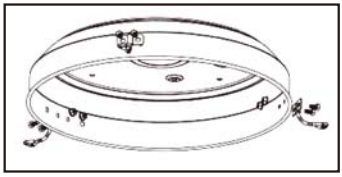
3-1. Wheel Assembly (17) should now be attached to Base (15) as shown (Fig. 5).

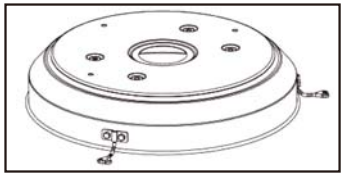
Fig. 5

## ATTACHING ANCHORING ARM

Step 1

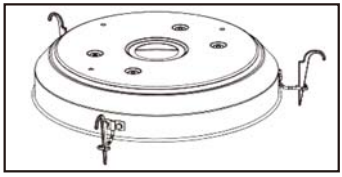
1-1. Attach 1 anchoring arm to base with 2 screws and nuts as shown (repeat with the other 2 anchoring arms so all 3 are attached to base).

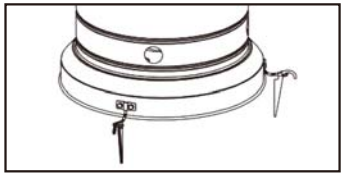




Step 2

2-1. To anchor heater to ground, insert anchoring pins through anchoring arms and directly into ground as shown.

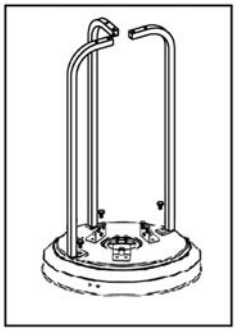




## ASSEMBLY

WARNING: This appliance requires installation by a competent person. Proper assembly is the responsibility of the installer.

### Step 1

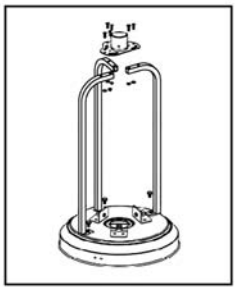


1-1. Attach 3pcs LPG cylinder fixed parts on the base with 6pcs M6x12mm bolts/washers/nuts.

Note: M8x25mm bolts are already inserted in fixed parts for holding cylinder.

1-2. Position the 3 pcs support legs on the base as shown in the picture to the right.

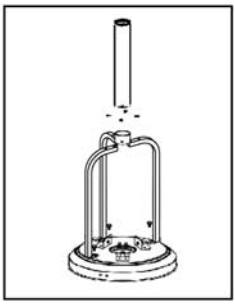
1-3. Use 3 pcs M8x16mm bolts to affix the support legs to the base.



### Step 2

2-1. Put the post support on top of the 3 pcs support legs.

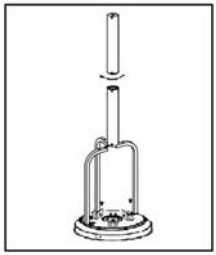
2-2. Use 6 pcs M6x30mm bolts and M6 washers and 6mm nuts to connect the post support to the 3 pcs support legs.



2-3. Use 4 pcs. M6X10mm bolts to connect the first piece of the post assembly to the post support.

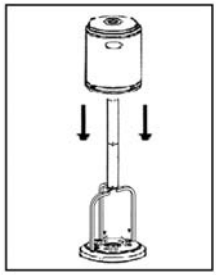
Step 3

3-1. Connect the second piece of the post assembly to the first piece of the post assembly and screw on clockwise.



Step 4

4-1. Place the tank cover on the base.



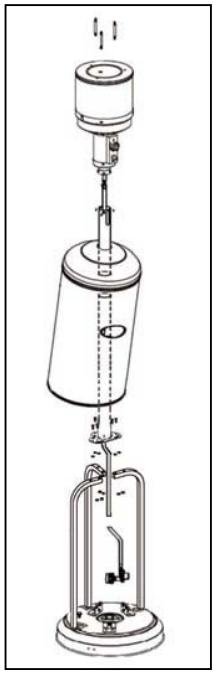
Step 5

5-1. Secure the 3 pcs 90mm pins(reflector support bolts) on the cap of emitter screen.

5-2. Route the gas hose down through the post and out of the bottom.

5-3. Connect the regulator with gas hose.

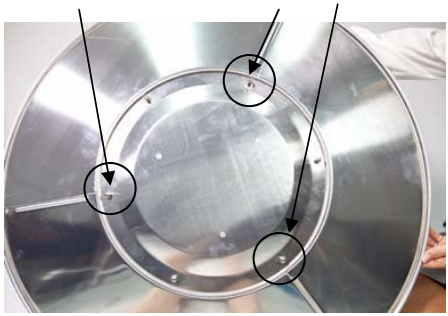
5-4. Fix the head unit collar to the post with 4 pcs. M6x10mm bolts and 4 pcs. M6 lock washers.



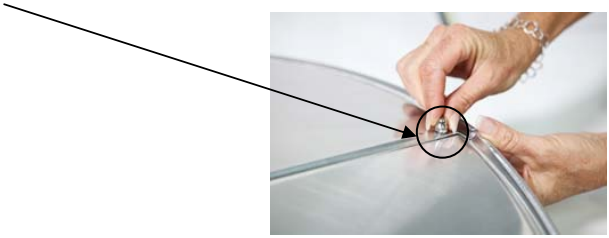
## ASSEMBLY

Reflector (#2) is comprised of 3 – outer pieces and 1 – center piece. Locate all 4 pieces of Reflector (#2) which are wrapped in bubble wrap. Unwrap and remove all pieces and peel off the protective blue plastic on each piece. Locate 9 bolts and 9 cap nuts in the plastic bag. Align the 3 – outer pieces with the 1 – center piece and place a bolt through the center hole on each piece as shown below. Tighten castle nut on each bolt.

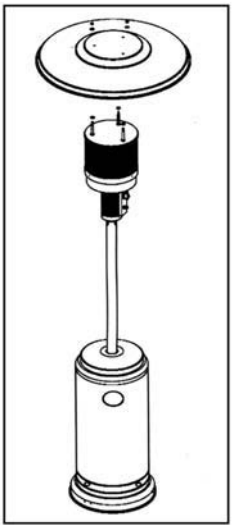
Next, align the sides of each outer piece and the center piece and insert the next 3 bolts through both holes. Tighten castle nuts on bolts.



Finally, insert bolt through holes located at outside edge of adjoining panels of the reflector side pieces (3 bolts required) and tighten castle nuts on bolts.



## Step 6



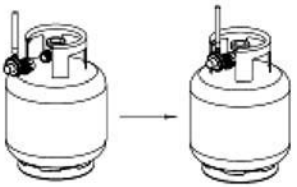
6-1. Put 8mm washer on each reflector support bolt.

6-2. Fasten the reflector with 3 pcs. washers and 3 pcs. Wing Nuts.

## Step 7

7-1. Lift the tank cover and rest it on the post flange.

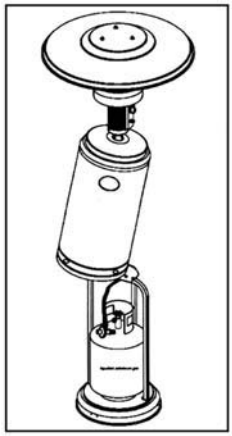
7-2. Connect the other end of gas hose with regulator to the gas cylinder and tighten.



Warning: When connecting the gas cylinder and regulator, make sure the connection is tight and always check for any leaks. Please see page 11 "Check for Leak" for full instructions.

7-3. Put gas cylinder on the base.Adjust bolts in cylinder fixed parts as needed.

7-4. Lower tank over gas cylinder and down to cover base.



## Check for Leak

Your patio heater has been checked at all factory connections for leaks, but you should always check when you attach the LPG cylinder. To check for leaks, following these instructions:

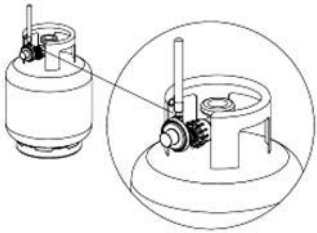
--Assemble all gas connections;

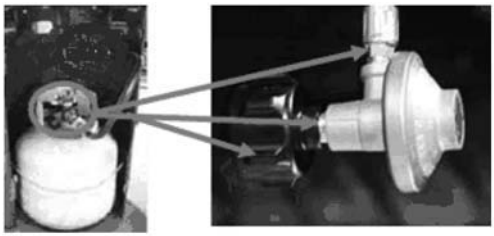
--Connect regulator assembly to the propane tank;

--Make sure the heater valve is turned OFF.

1) Make soapy solution by mixing 1 part liquid dish soap and 3 parts water.
2) Open the propane tank valve.
3) Spoon several drops (or use squirt bottle) of the soapy solution onto the gas hose /regulator and regul ator/cylinder connection.
4) Inspect the connections and look for bubbles.
5) If no bubbles appear the connection is safe.
6) If bubbles appear, there is leakage. Close the propane tank valve, and loosen and re-tighten this connection.
7) Check for leakage again.

8) If bubbles still appear, close the propane tank valve and contact your gas supplier. If a leak is detected , DO NOT attempt to use the heater.





MAKE SURE to check all THREE connections between the cylinder and gas line.

## NOTE:

1) The cylinder must be provided with a shut off valve terminating in a LPG supply cylinder valve outlet specified, as applicable, for connection NO 510 in the standard for compressed gas cylinder valve outlet and in let connections, ANSI/CGA-v-1.

2) The cylinder supply system must be arranged for vapor withdrawal.

3) The cylinder used must include a collar to protect the cylinder valve.

## Annually check operation:

A. Lift the tank housing up above the LPG cylinder and rest it on the support leg assembly.

B. Open the propane tank valve.

C. Spoon several drops (or use squirt bottle) of the solution onto gas hose connection and pilot connection.

D. Inspect the connections and look for bubbles.

E. If no bubbles appear, the connection is safe.

F. If bubbles appear, there is a leak. Close the propane tank valve and loosen and re-tighten this connection.

G. Check for leaks again.

H. If bubbles still appear, close the propane tank valve and call the gas supplier. DO NOT attempt to use the heater.

## OPERATION

**WARNING**: **DO NOT attempt to operate heater until you have read and understand all precautions. Failure to do so can result in serious personal injury, death or property damage.**

### Before Turning Gas Supply ON.

Your heater was designed and approved for **OUTDOOR USE ONLY**. **DO NOT** use it inside a building or any other enclosed area.

Make sure surrounding areas are free of combustible materials such as gasoline and other flammable vapors or liquids.

Ensure that there is no obstruction to air ventilation.

Be sure all gas connections are tight and there are no leaks.

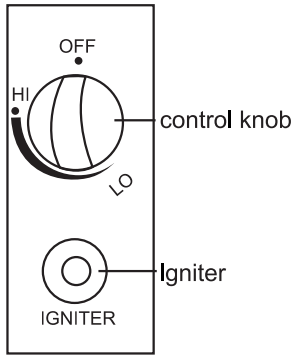
Be sure the access panel is clear of debris.

Be sure any component removed during assembly or servicing is replaced and fastened prior to starting.

### Before Lighting

Heater should be thoroughly inspected before each use. Have a qualified service person inspect the heater at least annually. If relighting a hot heater, always wait at least 5 minutes.

## LIGHTING INSTRUCTIONS




TO TURN ON THE HEATER:

1. Turn the control knob "OFF".
2. Open gas valve fully.
3. Press and turn the control knob to "HI" position (counterclockwise 90°).
   Press down the control knob and hold 3-5 seconds. While holding down the control knob, press the igniter button several times until the pilot flame ignites.
   Hold the knob about 30 seconds and then release.

Note: If the pilot flame does not light or it goes out, repeat Step 3 above.

NOTE:

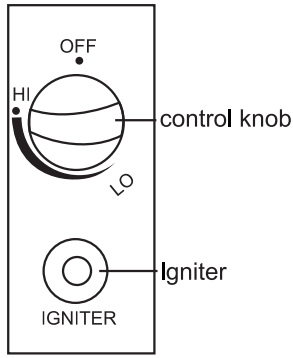
- If a new tank has just been connected, please allow at least one minute or more for the air in the gas pipeline to purge out through the pilot hole, or simply do Step 3.
- When lighting the pilot flame make sure that the variable control knob is continuously depressed while pressing the igniter button. Variable control knob can be released after the pilot flame has been lit for 20~30 seconds.
- Pilot flame can be watched and checked from the peephole located on the base of burner.
- If the pilot flame does not light or it goes out, repeat Step 3.

If the burner flame goes out accidentally or it is blown out by wind, turn off the heater and wait at least 5 minutes or more to let the gas dissipate before relighting to avoid possible gas explosion. Repeat steps 2 to 4.

**WARNING**
**FOR YOUR SAFETY**
**If at any time you are unable to light burner and smell gas, wait 5 minutes to allow gas to dissipate before attempting to light heater. If after 1 minute, you are unable to light burner, wait 5 minutes and allow flammable vapors to dissipate before attempting to light heater again.**

TO TURN OFF THE HEATER.

1. Press and turn the control knob to "OFF" position.
2. Turn off the valve on the gas cylinder and disconnect the cylinder.

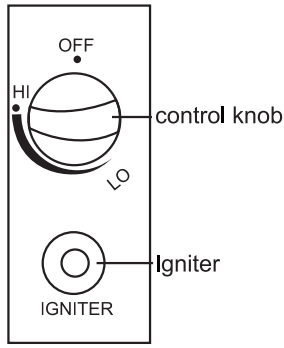


**CAUTON: Avoid inhaling fumes emitted from the heater's first use. Smoke and odor from the burning of oils used in manufacturing will appear. Both smoke and odor will dissipate after approximately 30 minutes. The heater should not produce thick black smoke.**

## Note:

The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the control knob to the "LO" position, then turn the knob to the level of heat desired.

**Warning :** White smoke may appear around the radiant head during the first minutes of the initial firing.




**When heater is ON**:
Emitter screen will become bright red due to intense heat. The color is more visible at night. Burner will display tongues of blue flame. These flames should not be yellow or produce thick black smoke, indicating an obstruction of airflow through the burners. If the flame is very small, this indicates the supply pressure is not enough.

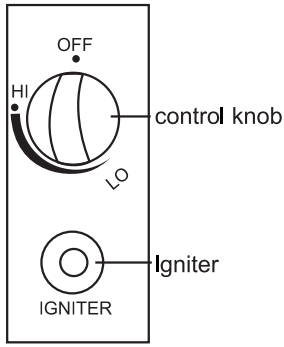
**Relighting the heater:**
1) Turn the control knob to "OFF" position.
2) Wait five (5) minutes before attempting to relight pilot.
3) Repeat steps beginning with step 2 on page 15.

**Before leaving the heater unattended:**
1) Turn the control knob to "OFF" position and turn LP cylinder to "OFF" position.
2) Never leave the patio heater unattended while in use.

**Shut down instructions**
1) Push in and turn control knob clockwise to "OFF" position.
2) Turn LP tank gas valve clockwise to "OFF" position when heater is not in use.

NOTE: After use, some discoloration of the emitter screen is normal.

**If you suspect gas leakage:**
1) Turn the control knob to "OFF" position.
2) Turn LPG cylinder to "OFF" position.
3) Wait 5 minutes to allow gas to dissipate.
4) If odor continues, immediately call your gas supplier.




Warning: Heater will be hot after use.
Handle with extreme care.

## LOCATION OF HEATER WHILE IN USE

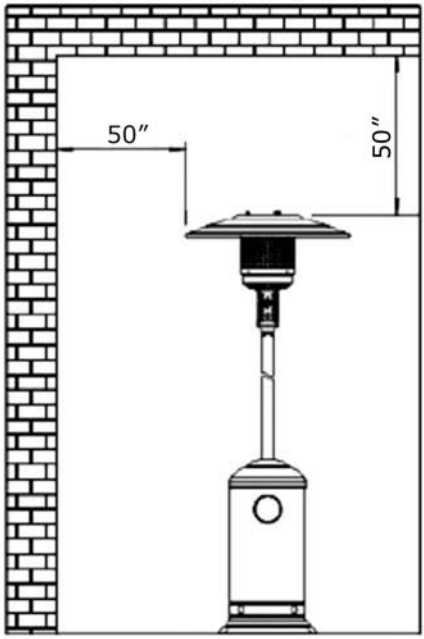
**CAUTION: WHEN CERTAIN MATERIALS OR ITEMS ARE LEFT UNDER THIS HEATER WHILE IN USE, THEY WILL BE SUBJECT TO RADIANT HEAT AND COULD BE SERIOUSLY DAMAGED.**

This heater is to be used for the heating of outdoor patios, decks, spas, pool, and open working areas. This heater is for OUTDOOR use ONLY.

Always make sure that adequate fresh air ventilation is provided and follow the spacing tolerances shown in the picture below.
The minimum clearances must be maintained at all times.

This heater must be placed on level, firm ground.

Never operate in an explosive atmosphere. Keep away from areas where gasoline or other flammable liquids or vapors are stored or used.



## CLEANING AND MAINTENANCE

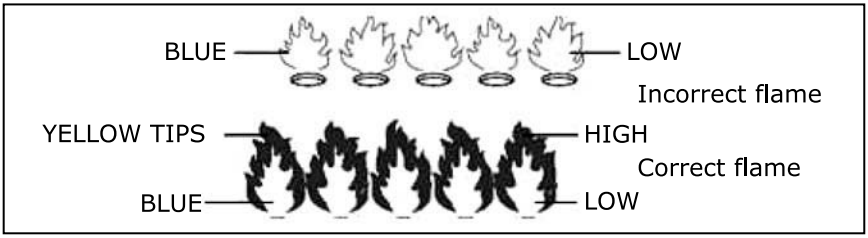
**WARNING**
**FOR YOUR SAFETY**
**DO NOT touch or move heater for at least 45 minutes after use.**
**Allow all burner elements to cool before touching.**

To enjoy years of outstanding performance from your heater, make sure you perform the following maintenance on a regular basis:

Keep exterior surfaces clean.

1. Use warm soapy water for cleaning. Never use flammable or corrosive cleaning agents.
2. While washing your heater, be sure to keep the area around the burner and pilot assembly dry at all times. If the gas control is exposed to water in any way, DO NOT try to use it. It must be replaced.

Keep the heater area free and clean from combustible materials, gasoline or other flammable vapors and liquids. Visually check burner flames.




Visually check the hose assembly inside the post and check for any cracks or worn sections.

1. Unscrew gas hose and regulator hose with 3/4'' inch open end wrench and adjustable wrench.
2. Screw down the screws on pole, and take out the burner head assembly.
3. Check if there are any cracks or worn sections on hose. If yes, contact your gas supplier to replace the hose.
4. At least once a year, the unit should be inspected for the presence of spiders, spider webs or other insects.

Air flow must be unobstructed. Keep controls, burner and circulating air passageways clean. Signs of possible blockage include:

1. Gas odor with extreme yellow tipping of flame.
2. Heater does not reach the desired temperature.
3. Heater glow is excessively uneven.
4. Heater makes uneven popping noise.

Spiders and insects can nest in burner or orifices. This dangerous condition can damage heater and render it unsafe for use. Clean burner holes by using a heavy-duty pipe cleaner. Compressed air may help clear away smaller particles.
Carbon deposits may create a fire hazard. Clean dome and engine with warm soapy water if any carbon deposits develop.

**NOTE:**
**In a salt-air environment (such as near an ocean), corrosion occurs more quickly than normal. If the heater is exposed to this type of environment, you should frequently check for corroded areas and repair them promptly.**

## TROUBLESHOOTING

| Problem | Problem cause | solution |
|---|---|---|
| Burner will not light | Pressure is low | Fuel tank is near empty |
| | Control valve not ON | Turn valve to ON |
| | Thermocouple bad | Replace thermocouple |
| | Pilot light assembly bent or not in correct location | Place pilot in proper position and retry |
| Burner flame is low | Supply hose is bent or twisted | Straighten hose and perform leak test on hose |
| | Blockage in burner injector | Clean or replace burner injector |
| Burner flame goes off immediately after ignition | Low gas pressure | Let the pilot flame stay lit for 10 minutes before setting variable knob to "LO" |
| Emitter glows unevenly | Blockage in burner injector | Clean or replace burner injector |
| | Base is not on level surface | Place heater in level surface |
| | Low gas pressure | Replace cylinder with a new cylinder |
| Thick black smoke | Blockage in burner | Turn off the heater and let it cool. Remove blockage and clear burner inside and outside. |
| Carbon build-up | Dirt or film on reflector and flame screen | Clean reflector and flame screen |

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## 1 YEAR LIMITED WARRANTY – Customers in the Continental US

All components are warranted for a period of 1 year after date of purchase by the original owner against defects in materials and workmanship under normal use. This warranty does NOT cover normal wear and weathering, assembly and/or maintenance OR use in a commercial application. At Well Traveled Living's sole discretion, products under warranty will be repaired and/or replaced at no charge to the customer. Any returns sent back to Well Traveled Living must be sent via prepaid freight and in the original retail packaging.

For warranty service contact Well Traveled Living at the address, phone numbers or internet site and email listed in this owner's manual. Be sure to have your sales receipt, date of purchase and catalogue/model numbers available when calling. All warranty service will be coordinated by the Well Traveled Living's, Amelia Island, Florida service center.

This warranty is extended only to the original purchaser. Proof of purchase will be required before warranty service is rendered. The sales receipt is the only valid proof of purchase. This warranty only covers failures due to defects in materials or workmanship which occur during normal use. Failures and/or damage which result from accident, negligence, misuse, abuse, neglect, mishandling, alteration or modification, failure to maintain, improper assembly or maintenance, service by unauthorized agency or use of unauthorized components or damage that is attributable to acts of God are NOT covered.

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